

AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A system for implementing surgical procedures comprising:

an ultrasonic surgical hand piece; ~~having~~

an end-effector with a sheath, said end-effector being connectable to said hand piece, and
said wherein the end-effector is being selected from the group consisting of a blade, shears, scissors
and forceps;

a generator console for controlling the hand piece, wherein the console sends a drive current
to drive the hand piece, which drive current imparts ultrasonic longitudinal movement to the end-
effector; and

a memory disposed in the sheath of the end-effector which adjusts operation of the generator
console for operation with the end effector to set a cutting rate and degree of tissue hemostasis with
the end effector, wherein the console reads information stored in the memory to determine whether
a copyrighted data string is present;

wherein the hand piece is authenticated for use with the console if the data string is present.

2. (Currently Amended) A system for implementing surgical procedures comprising:

an ultrasonic surgical handpiece; ~~having~~

an end-effector connectable to said hand piece,

a generator console for controlling the hand piece wherein the console sends a drive current
to drive the hand piece, which drive current imparts ultrasonic longitudinal movement to the end-
effector; and

38. (Original) The method of claim 34 further comprising the step of re-initializing the handicap limit and the disable limit based on varied operational conditions of the hand piece.

39. (Original) The method of claim 32 further comprising the steps of:
determining whether a reprogram of the console is needed;
reading a reprogram code stored in the memory and reprogramming the console using the reprogram code, if it is determined that a reprogram of the console is needed;
determining whether an upgrade of the console is needed; and
reading an upgrade code stored in the memory and upgrading the console using the upgrade code, if it is determined that an upgrade of the console is needed.

40. (Original) The method of claim 32 further comprising the steps of:
reading energy level information stored in the memory; and
driving the hand piece according to a corresponding output displacement;
wherein the energy level information stored in the memory is correlated with corresponding output displacement for driving the hand piece.

41. (Original) The method of claim 32 further comprising the steps of:
reading a nominal resonant frequency, a start sweep point and a stop sweep point delimiting a frequency range from the memory;
effecting a frequency sweep in the frequency range; and

detecting a resonant frequency for operating the hand piece.

42. (Original) The method of claim 32 further comprising the steps of:

reading a nominal resonant frequency, a bias amount and a margin amount from the memory;

calculating a frequency range based on the nominal resonant frequency, the bias amount and the margin amount;

effecting a frequency sweep in the frequency range; and

detecting a resonant frequency for operating the hand piece.

43. (Currently Amended) The method of claim 32 further comprising the steps of:

keeping track of a number of uses ~~for~~ of the end-effector; and

keeping track of a number of remaining uses allowed for the end-effector.

44. (Currently Amended) A system for implementing surgical procedures comprising:

an ultrasonic surgical handpiece; ~~having~~

an end-effector connectable to said handpiece;

a generator console for controlling the handpiece, wherein the console sends a drive current to drive the handpiece, which drive current imparts ultrasonic longitudinal movement to the end-effector; and

